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Microsoft Corporation's Windows Server 2008 is a commercial item as defined by the Federal Acquisition Regulation ("FAR") at FAR 2.101 and is licensed to the government under the applicable terms FAR Part 12, "Acquisition of Commercial Items" and/or DFAR 227.7202 "Commercial computer software and commercial computer software documentation. The Broadcom TCP Offload Engine (TOE) part numbers, BCM5709 and BCM57710 in conjunction with Microsoft Windows Server 2008 and the Broadcom TOE is currently being tested (i) by Microsoft for conformance and to the best of our knowledge substantially complies with the DoD standard for an IPv6 capable host and workstation, as outlined in Appendix C of the August 2007 version of DoD's IPv6 Standard Profiles for IPv6 Capable Products Version 2.0, except that Windows Server 2008 does not implement the requirement for IKEv2, outlined in Section 2.2.2 of the aforementioned document and (ii) by Broadcom for conformance with IPv6. Please note that any testing of Windows Server 2008 conducted by JITC pursuant to the "Cooperative Research and Development Agreement "(CRADA) dated March 2008 between Microsoft and JITC is subject to the terms and conditions of the accompanying End User License Agreement.

Windows Server 2008 with Broadcom TOE supports the following required RFCs as indicated under the "Core Requirements" in Appendix F of the IPv6 Generic Test Plan:

RFC Supported	Microsoft	Broadcom	Microsoft and Broadcom
RFC 2460 – Internet Protocol v6 (IPv6) Specification	Supported	Supported	Supported
RFC 2461 – Neighbor Discovery for IPv6	Supported	n/a	Supported
RFC 2462 – IPv6 Stateless Address Auto-configuration	Supported	n/a	Supported
RFC 4193 – Unique Local IPv6 Unicast Addresses	Supported	n/a	Supported
RFC 4007 – IPv6 Scoped Address Architecture	Supported	n/a	Supported
RFC 4291 – IP Version 6 Addressing Architecture	Supported	n/a	Supported
RFC 4443 – Internet Control Message Protocol (ICMPv6)	Supported	n/a	Supported
RFC 4301 – Security Architecture for the Internet Protocol	Supported	n/a	Supported
RFC 2710 – Multicast Listener Discovery (MLD) for IPv6	Supported	n/a	Supported
RFC 2464 – IPv6 over Ethernet	Supported	Supported	Supported
RFC 2467 – Transmission of IPv6 Packets over FDDI Networks	Supported	Not Supported	Not Supported
RFC 2472 – IP Version 6 over PPP	Supported	n/a	Supported

Windows Server 2008 with Broadcom TOE supports the following required RFC as indicated under "Advanced Server" in Appendix F of the IPv6 Generic Test Plan:

RFC Supported	Microsoft	Broadcom	Microsoft and Broadcom
RFC 1981 – Path MTU Discovery for IPv6	Supported	Supported	Supported
RFC 3810 – Multicast Listener Discovery (MLDv2) for IPv6	Supported	n/a	Supported
RFC 4213 – Transition Mechanisms for IPv6 Host and Routers	Supported	n/a	Supported
RFC 3986 – Uniform Resource Identifier (URI): Generic Syntax	Supported	n/a	Supported
RFC 3484 – Default Address Selection for IPv6	Supported	n/a	Supported
RFC 3596 – DNS Extensions to Support IPv6 (Hosts must be capable of using IPv6 DNS)	Supported	n/a	Supported
RFC 3041 – Privacy Extensions for Stateless Address Auto configuration in IPv6	Supported	n/a	Supported

Windows Server 2008 supports the following required RFCs as indicated under "IPsec" in Appendix F of the IPv6 Generic Test Plan. TOE does not support IPsec.

RFC Supported	Microsoft	Broadcom	Microsoft and Broadcom
RFC 2407 – The Internet IP Security Domain of Interpretation for ISAKMP	Supported	n/a	Supported
RFC 2408 – Internet Security Association and Key Management Protocol (ISAKMP)	Supported	n/a	Supported
RFC 2409 – The Internet Key Exchange (IKE)	Supported	n/a	Supported
RFC 2464 – IPv6 over Ethernet	Supported	Supported	Supported
RFC 4301 – Security Architecture for the Internet Protocol	Supported	n/a	Supported
RFC 4302 – IP Authentication Header (AH)	Supported	n/a	Supported
RFC 4303 – IP Encapsulating Security Payload (ESP)	Supported	n/a	Supported
RFC 4305 – (ESP and AH) Cryptographic Algorithm Implementation	Supported	n/a	Supported
RFC 4308 – Cryptographic Suites for IPsec	Supported	n/a	Supported

The Windows Server 2008 platform supports the following server roles:

- Domain Name System (DNS) server
- Dynamic Host Configuration Protocol (DHCP) server
- Active Directory server role
- Active Directory Federation Services (AD FS)
- Active Directory Rights Management Services (AD RMS)
- File server
- Print server
- WSUS server

RADIUS server
TS and TS Gateway server
Virtual Private Network server
Internet Information Services (IIS) server
Certificate Authority (CA) server
Volume Licensing (VL) server
Windows Media Services (WMS) server
Windows Compute Cluster
SharePoint server
System Center Configuration Manager
System Center Operations Manager
Exchange server
SQL server

Best regards,



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